Object Handler - Select-Clause

The Select-Clause consists of one of the following:

- SELECTION Workplan
- Natural Object and DDM Selection
- Natural-related Debug Environment Selection
- Natural-related Profile Selection
- Natural-related DL/I Subfile Selection
- Natural System Error Selection
- Natural Command Processor Selection
- FDT Selection

Natural DDM Selection:

For selecting Natural DDMs, the same syntax applies as described for Natural Object Selection.

SELECTION Workplan

A Workplan of the type SELECTION contains the selection of one of the following: Natural objects, Natural-related objects, Natural system error messages, Natural command processors, DDMs, FDTs or an object list, as described in the relevant section. An object list can be used for the FIND and UNLOAD commands only.

Natural Object and DDM Selection

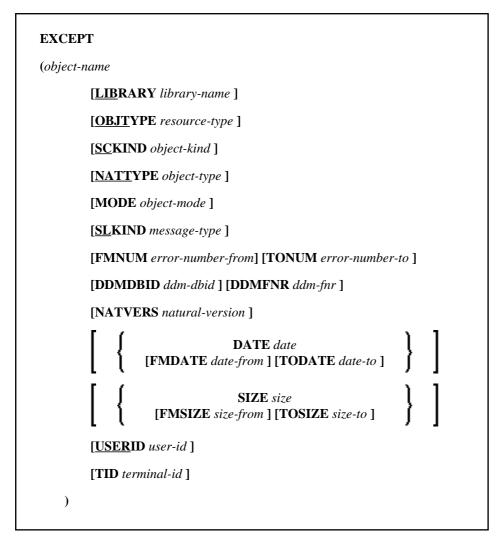
DDMs are processed like Natural objects, except for OBJTYPE, which must be set to **D**. However, as described below, not all of the keywords available apply to DDMs.

Syntax

```
object-name
\underline{LIB}RARY\ library\text{-}name
                                                                                                               PASSWORD Password
                       DBID dbid FNR fnr [NAME vsam-name ] [CIPHER cipher ]
       [OBJTYPE resource-type]
       [NATTYPE object-type ]
       [SCKIND object-kind ]
      [\textbf{MODE}\ object\text{-}mode\ ]
       [FMNUM\ \textit{error-number-from}\ ]
       [TONUM error-number-to]
      [SLKIND message-type]
      [LANGUAGE languages ]
      \textbf{[DDMDBID} \ ddm\text{-}dbid \ \textbf{]} \ \textbf{[DDMFNR} \ ddm\text{-}fnr \ \textbf{]}
       [NATVERS natural-version]
                  DATE date
[FMDATE date-from ][TODATE date-to ]
                   [SIZE size ]
[FMSIZE size-from] [TOSIZE size-to ]
       [\textbf{USERID} \ user-id \ ]
       [\textbf{TID}\ terminal\text{-}id\ ]
       [EXCEPT- Clause]
```

EXCEPT-Clause

Object Handler - Select-Clause Syntax



Note:

For the command FINDLIB only the following items are processed: <u>LIB</u>RARY, DBID, FNR, NAME, CIPHER and PASSWORD/PSW.

Keyword Explanation - Natural Object Selection

Below is a description of the keywords and the valid values for the objects to be processed:

Keyword	Values	Default Value
object-name	A valid Natural object name or a range of names. If <i>object-name</i> contains blank characters, it must be enclosed in quotation marks (" ").	none
	(*) See also Name.	
<u>LIB</u> RARY	A valid Natural library name or a range of names.	none
	If OBJTYPE= D (see below), the library name is ignored.	
	(*) See also Name.	
DBID	Not valid for DDMs on mainframes (OBJTYPE D - see below).	0 (current FNAT/FUSER)
	A valid DBID.	(Current FINAT/FUSEK)

Syntax Object Handler - Select-Clause

Keyword	Values	Default Value
FNR	Not valid for DDMs on mainframes (OBJTYPE D - see below). A valid FNR.	0 (current FNAT/FUSER)
NAME	Only applies to objects on mainframes. Not valid for DDMs on mainframes (OBJTYPE D - see below). A valid VSAM name.	blank (current FNAT/FUSER)
CIPHER	Only applies to objects on mainframes. Not valid for DDMs on mainframes (OBJTYPE D - see below). The 8-digit cipher code of the Adabas file where the objects are located.	blank (current FNAT/FUSER)
PASSWORD	Only applies to objects on mainframes.	blank
PSW	An 8-character Adabas password.	(current FNAT/FUSER)
<u>OBJT</u> YPE	Types of object are:	*
	N Natural programming objects	
	E Natural error messages	
	D DDMs (objects on mainframes only)	
	* Asterisk (all)	
	or any valid combination.	
	Note: OBJTYPE D cannot be combined with any other type.	
<u>NATT</u> YPE	Not applicable to OBJTYPE D (see above).	*
	Up to 15 valid Natural object types, such as P for program and V for DDMs.	
	Asterisk (*) = all	

Object Handler - Select-Clause Syntax

Keyword	Values	Default Value
<u>SC</u> KIND	Not applicable if OBJTYPE D (see above	ve). A
	Kind of Natural programming objects:	
	S Source objects. If used in the EXCEPT clause: objects that exist in source form	
	C Cataloged objects. If used in the EXCEPT clause: objects that exist in cataloged in the exist in the exist in cataloged in the exist	
	A All saved and cataloged object	s.
	W Source and cataloged objects in time (stowed).	both have the same date and
	B Source and cataloged objects in	both exist.
	Note: W (stowed) and B (both) are valid for the commands only. For LOAD and SCAN they are treated like A (all objects). If data is processed in Transfer format, capplies.	W and B are valid entries, but
MODE	Not applicable if OBJTYPE D (see above	re). A
	The type of programming mode of the N objects:	Jatural programming
	R All objects in report mode.	
	S All objects in structured mode	
	A Any.	
FMNUM	The start number of the Natural error me Valid range: 1 to 9999.	essages. 1
TONUM	The end number of the Natural error me Valid range: 1 to 9999. The value must be greater than or equal specified.	or value of FMNUM
<u>SL</u> KIND	The type of Natural error message text:	A
	S Short text. Cannot be applied to the DELI PROCEDURE Workplan Com	
	L Long text.	
	A Short and long text, or the one	that exists.
	B Short and long text, but only if	both exist.

Syntax Object Handler - Select-Clause

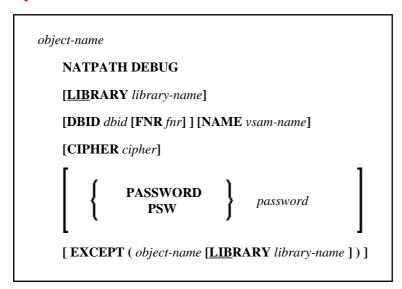
Keyword	Values	Default Value
<u>LANG</u> UAGE	Up to 8 valid language codes of Natural error messages. Asterisk (*) = all language codes.	*
DDMDBID	Valid DBID (1 to 65535) of the DDM. 0 = all DBIDs.	0 (no check)
DDMFNR	Valid FNR (1 to 65535) of the DDM. $0 = \text{all FNRs}$.	0 (no check)
NATVERS	The Natural version of the Natural programming objects.	blank
	Valid version format: <i>VRSM</i> where <i>V</i> is the 1-digit version, <i>R</i> the 1-digit release, and <i>SM</i> the 2-digit system maintenance level. Ranges are allowed: see (*) Name.	(no check)
DATE	The save or catalog date of the Natural programming objects. You can add a time by inserting a blank between date and time. For the format and ranges allowed, see (*) Date and (*) Time.	blank (no check)
	Special terms allowed are <u>YES</u> TERDAY and <u>TO</u> DAY. See (*) Special Dates.	
FMDATE	Start value: the date on or after which the Natural programming objects were cataloged or saved. The format is identical to DATE. See (*) Date.	blank (no check)
	Special terms allowed are <u>YEAR</u> , <u>MON</u> TH, <u>YES</u> TERDAY and <u>TO</u> DAY. See (*) Special Dates.	
TODATE	End value: the date on or before which all Natural programming objects were cataloged or saved. The format is identical to DATE. See (*) Date.	blank (no check) or high value (if FMDATE specified)
	Special terms allowed are <u>YEAR</u> , <u>MONTH</u> , <u>YESTERDAY</u> and <u>TODAY</u> . See (*) Special Dates.	(II FMDATE specified)
SIZE	The size of the Natural programming objects. Maximum: 7-digit number.	0 (no check)
FMSIZE	The start value for the size of the Natural programming objects. Maximum: 7-digit number.	0 (no check)
TOSIZE	The end value for the size of the Natural programming objects. Maximum: 7-digit number.	0 (no check) or high value (if FMSIZE specified)
<u>USER</u> ID	The ID of the user who saved or cataloged the Natural programming objects: 8-character Natural user ID or a range of IDs. See also (*) Name.	blank (no check)
TID	Not applicable if OBJTYPE=D (see above). Terminal ID of the terminal where the Natural programming objects were saved or cataloged: 8-digit Natural terminal ID as provided by the system variable *INIT-ID or a range of IDs. See also (*) Name.	blank (no check)

Keyword	Values	Default Value
EXCEPT	All objects which match the selection criteria entered before EXCEPT are checked against all parameters contained within the parentheses following the keyword EXCEPT. If they match all these parameters too, they are not processed.	11

- Parameters that are irrelevant for OBJTYPE are ignored. For example: DATE, SIZE and USERID have no meaning for Natural error messages.
- DBID, FNR, NAME, CIPHER and PASSWORD/PSW are ignored by the LOAD and SCAN commands. These parameters must be specified in the Parameter-Setting clause as described for LOADFNAT... and LOADFUSER... in Keyword Explanation Parameter-Setting.

Natural-related Debug Environment Selection

Syntax



Keyword Explanation - Natural-related Debug Environment Selection

Below is a description of the keywords and the valid values for the objects to be processed:

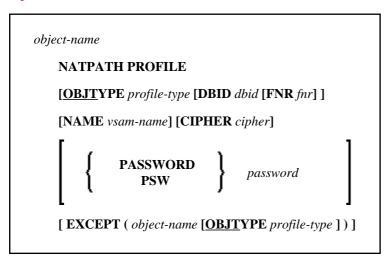
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Keyword	Values	Default Value
object-name	A valid object name or a range of names.	none
	See also (*) Name.	
LIBRARY	A valid Natural library name or a range of names.	none
	(*) See also Name.	
DBID	A valid DBID.	0 (current FUSER)
FNR	A valid FNR.	0 (current FUSER)
NAME	A valid VSAM name.	blank (current FUSER)
CIPHER	The 8-digit cipher code of the Adabas file where the objects are located.	blank (current FUSER)
PASSWORD	An 8-character Adabas password.	blank
PSW		(current FUSER)
EXCEPT	See EXCEPT under Natural Object Selection.	not applicable

DBID, FNR, NAME, CIPHER and PASSWORD/PSW are ignored by the LOAD and SCAN commands. These parameters must be specified in the Parameter-Setting clause as described for LOADFNAT... and LOADFUSER... in Keyword Explanation - Parameter-Setting.

Natural-related Profile Selection

Syntax



Keyword Explanation - Natural-related Profile Selection

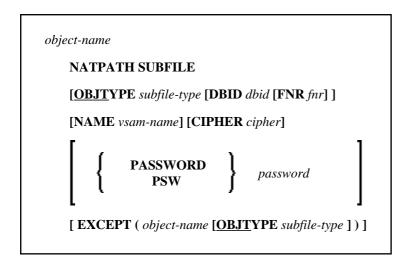
Below is a description of the keywords and the valid values for the objects to be processed:

Keyword	Values	Default Value
object-name	A valid object name or a range of names.	none
	See also (*) Name.	
DBID	A valid DBID.	0 (current FNAT)
FNR	A valid FNR.	0 (current FNAT)
NAME	A valid VSAM name.	blank (current FNAT)
CIPHER	The 8-digit cipher code of the Adabas file where the objects are located.	blank (current FNAT)
PASSWORD	An 8-character Adabas password.	blank
PSW		(current FNAT)
<u>OBJT</u> YPE	The type of profile:	*
	D Device profile	
	E Editor profile	
	M Map profile	
	P Parameter profile	
	* Asterisk (all profile types)	
	or any valid combination.	
EXCEPT	See EXCEPT under Natural Object Selection.	not applicable

DBID, FNR, NAME, CIPHER and PASSWORD/PSW are ignored by the LOAD and SCAN commands. These parameters must be specified in the Parameter-Setting clause as described for LOADFNAT... and LOADFUSER... in Keyword Explanation - Parameter-Setting.

Natural-related DL/I Subfile Selection

Syntax



Keyword Explanation - Natural-related DL/I Selection

Below is a description of the keywords and the valid values for the objects to be processed:

Keyword	Values	Default Value
object-name	A valid object name or a range of names.	none
	See also (*) Name.	
DBID	A valid DBID.	0 (current FDIC)
FNR	A valid FNR.	0 (current FDIC)
NAME	A valid VSAM name.	blank (current FDIC)
CIPHER	The 8-digit cipher code of the Adabas file where the objects are located.	blank (current FDIC)
PASSWORD	An 8-character Adabas password.	blank
PSW		(current FDIC)
<u>OBJT</u> YPE	The type of DL/I subfile:	*
	D NDB	
	P NSB	
	* Asterisk (all subfile types)	
EXCEPT	See EXCEPT under Natural Object Selection.	not applicable

Note:

DBID, FNR, NAME, CIPHER and PASSWORD/PSW are ignored by the LOAD and SCAN commands. These parameters must be specified in the Parameter-Setting clause as described for LOADFNAT... and LOADFUSER... in Keyword Explanation - Parameter-Setting.

Natural System Error Selection

This selection is used to select Natural system error messages.

Syntax

```
ERROR NATERROR

DBID dbid FNR fnr [NAME vsam-name] [CIPHER cipher]  

[FMNUM error-number-from] [TONUM error-number-to]

[SLKIND message-type]

[LANGUAGE languages]

EXCEPT (

[FMNUM error-number-from] [TONUM error-number-to]

[SLKIND message-type]

[LANGUAGE languages]

]

[LANGUAGE languages]
```

Keyword Explanation - Natural System Error Selection

Below is a description of the keywords and the valid values for the system error messages to be processed:

Keyword	Values	Default Value
DBID	Only applies to objects on mainframes. A valid DBID.	0 (current FNAT)
FNR	Only applies to objects on mainframes. A valid FNR.	0 (current FNAT)
NAME	Only applies to objects on mainframes. A valid VSAM name.	blank (current FNAT)
CIPHER	Only applies to objects on mainframes. The 8-digit cipher code of the Adabas file where the Natural error messages are located.	blank (current FNAT)
PASSWORD	Only applies to objects on mainframes.	blank
PSW	An 8-character Adabas password.	(current FNAT)
FMNUM	The start number of the Natural error messages. Valid range: 1 to 9999.	1
TONUM	The end number of the Natural error messages. Valid range: 1 to 9999. The value must be greater than or equal to the value of FMNUM if specified.	9999 or value of FMNUM (if specified)
<u>SL</u> KIND	See SLKIND under Natural Object Selection.	A
	A = short and/or long Natural error message texts.	
LANGUAGE	Up to 8 valid language codes of Natural error messages. Asterisk (*) = all language codes.	*
EXCEPT	See EXCEPT under Natural Object Selection.	

DBID, FNR, NAME, CIPHER and PASSWORD/PSW are ignored by the LOAD and SCAN commands. These parameters must be specified in the Parameter-Setting clause as described for LOADFNAT... in Keyword Explanation - Parameter-Setting.

Natural Command Processor Selection

This selection is used to select Natural command processors.

Syntax

Object Handler - Select-Clause FDT Selection

Note:

For the command FINDLIB only the following items are processed: PROCESSOR, DBID, FNR, NAME, CIPHER and {PASSWORD/PSW}.

Keyword Explanation - Natural Command Processor Selection

Below is a description of the keywords and the valid values for the command processors to be processed:

Keyword	Values	Default Value
object-name	The name of a valid Natural command processor or a range of names.	none
	See also (*) Name.	
<u>PROC</u> ESSOR	A valid Natural library name or a range of names.	none
	See also (*) Name.	
DBID	A valid DBID of the Adabas file where the command processors are located.	0 (current FNAT/FUSER)
FNR	A valid FNR of the Adabas file where the command processors are located.	0 (current FNAT/FUSER)
NAME	Only applies to objects on mainframes. A valid VSAM name.	blank
CIPHER	The 8-digit cipher code of the Adabas file where the command processors are located.	blank
PASSWORD	The 8-character Adabas password of the Adabas file where the command processors are located.	blank
PSW		
EXCEPT	See EXCEPT under Natural Object Specification.	

Note:

DBID, FNR, NAME, CIPHER and PASSWORD/PSW are ignored by the LOAD and SCAN commands. These parameters must be specified in the Parameter-Setting clause as described for LOADNCP... in Keyword Explanation - Parameter-Setting.

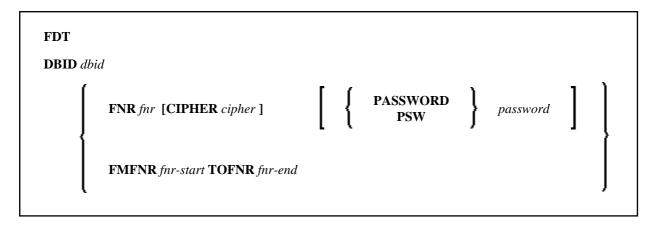
FDT Selection

This selection is used to select Adabas FDTs.

For loading FDTs, see also FDTs in the section Object Specification.

Below is the syntax that applies when processing FDTs:

Syntax



Keyword Explanation - FDT Selection

Below is a description of the keywords and the valid values for the FDTs to be processed:

Keyword	Values	Default Value
DBID	DBID of the FDT.	none
FNR	FNR of the FDT.	none
CIPHER	The 8-digit cipher code of the FDT.	none
PASSWORD	The 8-character Adabas password of the FDT.	none
PSW		
FMFNR	Applies to the FIND and UNLOAD commands only.	none
	The start FNR for the FDT to be processed.	
TOFNR	Applies to the FIND and UNLOAD commands only.	none
	The end FNR for the FDT to be processed.	